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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/784,381	02/15/2001	Allan L. Scherr	EMC00-28(00163)	3942

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EXAMINER

SON, LINH L D

ART UNIT	PAPER NUMBER
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2135

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DATE MAILED: 07/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/784,381	SCHERR, ALLAN L.	
	Examiner	Art Unit	
	Linh LD Son	2135	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 February 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-29 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
2. Claims 1-2, 4, 6-8, 12-15, 17-18, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Carlson et al, hereinafter "Carlson" (US 5/506961) in view of Jensenworth et al, hereinafter "Jensenworth", (US 6/279111B1).
3. As per claims 1 7 13 14 17 20, Carlson discloses the "Connection Authorizer for controlling access to system resources" invention, which teaches an authentication method to get access a set of data locates on the network server or storage locations (Col 12 lines 30-40). The programmable workstation (PWS) has the Client Connection Manager (CCM) interfacing with the Server Connection Manager (SCM) (Data Access Manager) on the server for the resource connection (See Fig. 1). The CCM begins the authorization process by sending request message to the System Authorizer Mechanism (SAM) or (the Control Circuit) (Col 6 lines 5-10). The request message includes the client resource ID field, Server resource ID field, information ID field, and access rights field (Col 7 line 43 to Col 8 line 5). SAM receives the message request. SAM

uses an existing table to verify and identify all the fields in the message and locate the requested resource as an authorization process (Col 7 line 43 to Col 8 line 5). Then, SAM sends SCM a peer to Peer Authorization Message (PTPA) (Col 6 lines 11-24). After SCM sends back to SAM an Authorization Response (AR) message if authenticate (Col 6 lines 24-32). Based on the type of access, SAM sends Open Peer to Peer System to IOP message (OPTPSTI) to CCM (Col 6 line 30). At the same time, SAM sends a copy of the server tokens to all servers that have the resource requested (Col 8 lines 15-18). The OPTPSTI message includes a server copy token based on the type of access (Col 8 line 40, 55, and 63), message type field, client resource ID field, server resource ID field, server route field, and client access field (Col 10 lines 5-23). CCM uses the server copy token to validate the resource requested. The token comprises client IOP address (Storage location), client IOP resource, time of day, and random value (Col 9 lines 33-35). CCM then bundles the server copy token with the Open Peer to Peer IOP to IOP message (OPTPITI) and send back to SCM to authorize the data access (Col 6 lines 38-43). Col 6 lines 37 to 59 describe the steps taken for a successful/unsuccessful authentication. (Col 6 lines 5-59) However, Carlson does not teach the implementation of a first token to get access and generate an authorization signal that controls access to the set of data based on the first access token and a second access token of the plurality of tokens, the second access token associated with the set of storage locations. Nevertheless, Jensenworth discloses the "Security Model Using Restricted

Tokens" invention, which teaches a method of authenticating a resource access on the remote server using the token. The client generates a token and sends it to the server for resource access authorization. The server compares the received token to the restricted token (Master token) to authorize the access. Therefore, it is obvious at the time of the invention for one of ordinary skill in the art to incorporate Jensenworth's token authentication method into Carlson's invention. As the result, the message in Carlson's invention is the token to authenticate with the server to get access authorization to the resource. In Carlson's invention, the second token is already taught.

4. As per claims 3, 9-10, 23, 27, and 29, the rejection of claim 1 is incorporated and further Carlson teaches the association, prior to receiving the first access token, the second access token with the set of storage locations in response to an initial request from the host to store the set of data (Col 8 lines 15-18); and tagging each storage location with the second access token (Col 8 lines 15-18). However, Carlson does not teach the allocation of the set of storage locations in the data storage assembly to receive the set of data in response to the request to store the set of data. Nevertheless, Carlson does teach the access privilege of the PWS as to read or write from a particular storage device location (Col 8 lines 1-5). Therefore, it is obvious at the time of the invention was made for one of ordinary skill that Carlson explicitly teaches the allocation of the set of storage locations in the data storage to store data.

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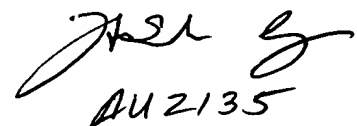
5. As per claims 5, 11, 16, 19, 22, and 24, Carlson and Jensenworth discloses the data storage system of claims 1, 7, 14, 17, 21, and 23, wherein the request is one of a read request to read data from at least one of the set of storage locations and a write request to write data to at least one of the set of storage locations (Col 8 lines 1-5).
6. As per claims 21, 25, 26, and 28, claim 1 rejection is incorporated. Further, Carlson teaches an input/output controller to the data storage system (Col 1 lines 15-26)

Conclusion

7. Any inquiry concerning this communication from the examiner should be directed to Linh Son whose telephone number is (703)-305-8914 or Fax to 703-746-9821.
8. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Kim Y. Vu can be reached at (703)-305-4393. The fax numbers for this group are (703)-872-9306 (official fax). Any inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is (703)-305-9600.

Linh LD Son

Patent Examiner



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